Application No. 10/762,003
Art Unit 3754

In the Claims

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Cancelled)

12. (Cancelled)

13. (Cancelled)

14. (Cancelled)

15. (Cancelled)

16. (Cancelled)

17. (Cancelled)

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)

22. (Cancelled)

23. (Cancelled)

24. (Cancelled)

25. (Cancelled)

26. (Cancelled)

27. (Cancelled)

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Cancelled)

32. (Cancelled)

33. (Cancelled)

34. (Cancelled)

35. (Cancelled)

36. (Cancelled)

37. (Cancelled)

38. (Previously presented) A mounting cup for mounting an aerosol valve for dispensing an aerosol product from a collapsible container within an aerosol container, the aerosol container having a bead defining an opening in the aerosol container,

the mounting cup defined by a sidewall, a peripheral rim, a bottom wall and a central turret formed as a one-piece unit;

the mounting cup extending between a first end and a second end with a sidewall interconnecting the first end with the second end;

the peripheral rim joined to the sidewall in proximity to the first end of the mounting cup for sealably securing the mounting cup to the bead of the aerosol container;

the bottom wall joined to the sidewall in proximity to the second end of the mounting cup for supporting the turret located in a central region of the mounting cup;

the turret having a central cavity for receiving the aerosol valve;

the sidewall having a first region adjacent to the first end of the mounting cup and having a second region adjacent to the second end of the mounting cup;

the improvement comprising;

said second region of said sidewall and said bottom wall being located radially inwardly relative to said first region of said sidewall to provide a mounting surface for securing the collapsible container to said mounting cup; and

said second region of said sidewall and said bottom wall being located radially inwardly relative to said first region of said sidewall a distance sufficient to provide clearance for inserting the improved mounting cup and the attached collapsible container through the opening defined by the bead of the aerosol container.

39. (Previously presented) An improved mounting cup for dispensing an aerosol product as set forth in claim 38, wherein said collapsible container comprises a flexible bag for containing the aerosol product.

40. (Previously presented) An improved mounting cup for dispensing an aerosol product as set forth in claim 38, wherein said mounting surface extends generally parallel to an axis of symmetry of said mounting cup.

41. (Previously presented) An improved mounting cup for dispensing an aerosol product as set forth in claim 38, wherein said mounting surface comprises a cylindrical surface having a cylindrical axis coincident with an axis of symmetry of said mounting cup.

42. (Previously presented) An improved mounting cup for dispensing an aerosol product as set forth in claim 38, including a bond for securing the collapsible container to said mounting cup.

43. (Previously presented) An improved mounting cup for dispensing an aerosol product as set forth in claim 38, including a polymeric bond material for securing the collapsible container to said mounting cup.

44. (Previously presented) An improved mounting cup for dispensing an aerosol product as set forth in claim 38, including a first polymeric bond material located on said mounting surface of said mounting cup;

a second polymeric bond material located on the collapsible container; and

said first polymeric bond material bonding with said second polymeric bond material for securing the collapsible container to said mounting cup.

45. (Previously presented) An improved mounting cup for dispensing an acrosol product as set forth in claim 38, including a first polymeric bond material located on said mounting surface of said mounting cup;

a second polymeric bond material located on the collapsible container; and

said first polymeric bond material being sonically bonded to said second polymeric bond material for securing the collapsible container to said mounting cup.

46. (Previously presented) An improved mounting cup for dispensing an aerosol product as set forth in claim 38, including a first polymeric bond material located on said mounting surface of said mounting cup;

a second polymeric bond material located on the collapsible container; and

said first polymeric bond material being heat scaled to said second polymeric bond material for securing the collapsible container to said mounting cup.

47. (Previously presented) A mounting cup for mounting an aerosol valve for dispensing an aerosol product from a collapsible container within an aerosol container,

the aerosol container having a bead defining an opening in the aerosol container,

the mounting cup defined by a cylindrical sidewall, a peripheral rim, a bottom wall and a central turret formed as a one-piece unit;

the mounting cup extending between a first end and a second end with the cylindrical sidewall interconnecting the first end with the second ends of the mounting cup;

the cylindrical sidewall having a cylindrical axis coincident with an axis of symmetry of the mounting cup;

the cylindrical sidewall having a first cylindrical region in proximity to the first end of the mounting cup and a second cylindrical region in proximity to the second end of the mounting cup;

the first cylindrical region of the cylindrical sidewall being integrally joined to the peripheral rim for scalably securing the mounting cup to the bead of the aerosol container;

the second cylindrical region of the cylindrical sidewall being integrally joined to the bottom wall forming junction thereat;

the bottom wall supporting the turret located in a central region of the mounting cup about an axis of symmetry of the mounting cup;

the turret having a central cavity for receiving the aerosol valve;

the improvement comprising:

said second region of said sidewall and said bottom wall being located radially inwardly relative to said first region of said sidewall to provide a recessed mounting surface for securing the collapsible container to said mounting cup; and

said recessed mounting surface being located radially inwardly relative to said first region of said sidewall a distance sufficient to provide clearance for inserting the improved mounting cup and the attached collapsible container through the opening defined by the bead of the aerosol container.

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48. (Currently Amended) A mounting cup for mounting an aerosol valve for dispensing an aerosol product from a collapsible container within an aerosol container, the aerosol container having a bead defining an opening in the aerosol container, the mounting cup defined by a cylindrical sidewall, a peripheral rim, a bottom wall and a central turret formed as a one-piece unit;

the mounting cup extending between a first end and a second end with the cylindrical sidewall interconnecting the first end with the second ends of the mounting cup;

the cylindrical sidewall having a cylindrical axis coincident with an axis of symmetry of the mounting cup;

the cylindrical sidewall having a first cylindrical region in proximity to the first end of the mounting cup and a second cylindrical region in proximity to the second end of the mounting cup;

the first cylindrical region of the cylindrical sidewall being integrally joined to the peripheral rim for sealably securing the mounting cup to the bead of the aerosol container;

the second cylindrical region of the cylindrical sidewall being integrally joined to the bottom wall forming junction thereat;

the bottom wall extending substantially perpendicular to the axis of symmetry of the mounting cup;

the bottom wall supporting the turret located in a central region of the mounting cup about an axis of symmetry of the mounting cup;

the turret having a central cavity for receiving the aerosol valve;

the improvement comprising;

said second region of said sidewall and said bottom wall being located radially inwardly relative to said first region of said sidewall to provide a recessed mounting surface for securing the collapsible container to said mounting cup;

said recessed mounting surface extending generally parallel to an axis of symmetry of said mounting cup;

said recessed mounting surface being located radially inwardly relative to said first region of said sidewall a distance sufficient to provide clearance for inserting the improved mounting cup and the attached collapsible container through the opening defined by the bead of the aerosol container; and

said recessed mounting surface forming an intermediate wall between the said first region of said sidewall said second region of said sidewall with said intermediate wall extending substantially perpendicular to the axis of symmetry of the mounting cup.

49. (New) An improved dispenser for dispensing an aerosol product with an aerosol propellant located within an aerosol container, comprising:

a mounting cup having a turret defined in a central region of said mounting cup about an axis of symmetry of said mounting cup;

an aerosol valve secured in said turret of said mounting cup;

a mounting surface integrally formed with said mounting cup and located intermediate said peripheral rim and said turret and extending generally parallel to an axis of symmetry of said mounting cup.

a collapsible container for containing the aerosol product;

a bond for securing the collapsible container to said mounting surface of said mounting cup; and

a peripheral rim integrally formed with said mounting cup in proximity to an outer periphery of said mounting cup for sealing said mounting cup to the aerosol container for enabling the aerosol propellant located within the aerosol container to apply pressure to said collapsible container to collapse said collapsible container upon an open of said aerosol valve to dispense the aerosol propellant from said collapsible container through said aerosol valve.

50. (New) An improved mounting cup for dispensing an aerosol product as set forth in claim 49, wherein said mounting surface comprises a cylindrical surface having a cylindrical axis coincident with an axis of symmetry of said mounting cup.

51. (New) An improved mounting cup for dispensing an aerosol product as set forth in claim 49, including a polymeric bond material for securing the collapsible container to said mounting cup.

52. (New) An improved mounting cup for dispensing an aerosol product as set forth in claim 49, including a first polymeric bond material located on said mounting surface of said mounting cup;

a second polymeric bond material located on the collapsible container; and

said first polymeric bond material bonding with said second polymeric bond material for

securing the collapsible container to said mounting cup.

53. (New) An improved mounting cup for dispensing an aerosol product as set forth in claim 49, including a first polymeric bond material located on said mounting surface of said mounting cup;

a second polymeric bond material located on the collapsible container; and

said first polymeric bond material being sonically bonded to said second polymeric bond material for securing the collapsible container to said mounting cup.

54. (New) An improved mounting cup for dispensing an aerosol product as set forth in claim 49, including a first polymeric bond material located on said mounting surface of said mounting cup;

a second polymeric bond material located on the collapsible container; and

said first polymeric bond material being heat sealed to said second polymeric bond material for securing the collapsible container to said mounting cup.

55. (New) An improved mounting cup for dispensing an aerosol product as set forth in claim 49, including a first polymeric bond material laminated on said mounting surface of said mounting cup;

a second polymeric bond material located on the collapsible container; and

said first polymeric bond material bonding to said second polymeric bond material for securing the collapsible container to said mounting cup.

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56. (New) An improved dispenser for dispensing an aerosol product with an aerosol propellant located within an aerosol container, the aerosol container having a bead defining an opening in the aerosol container, comprising:

a mounting cup defined by a sidewall, a peripheral rim, a bottom wall and a central turret formed as a one-piece unit;

an aerosol valve secured within said turret of said mounting cup;

said sidewall having a first region adjacent to said peripheral rim and having a second region adjacent to said bottom wall of said mounting cup;

said second region of said sidewall being located radially inwardly relative to said first region of said sidewall to provide a mounting surface;

a collapsible container for containing the aerosol product;

a bond for securing the collapsible container to said mounting surface of said mounting cup;

said second region of said sidewall being located radially inwardly relative to said first region of said sidewall a distance sufficient to provide clearance for inserting the mounting cup and the attached collapsible container through the opening defined by the bead of the aerosol container; and

said peripheral rim of said mounting cup adapted to be sealed to the bead of the aerosol container for enabling the aerosol propellant located within the aerosol container to apply pressure to said collapsible container to collapse said collapsible container upon an open of said aerosol valve to dispense the aerosol propellant from said collapsible container through said aerosol valve.